

COPY

PATENTS ONLY

PATENTS ONLY

## TO THE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest:



Yang Gao  
Huan-Yu Su

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and Address of Party(ies) receiving an interest:

Name: Conexant Systems, Inc.  
Internal Address: 4311 Jamboree Road  
Street Address: P.O. Box C  
City: Newport Beach  
State/Zip: California 92660-3095

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name Other:  
☐ Security Agreement ☐ Merger

Execution Date: April 18, 2001 and April 24, 2001

4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)  
09/781,735

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312)321-4200

6. Number of applications and patents involved: one7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed  
☐ Authorized to be charged to Deposit Account No. 23-1925

8. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darin E. Bartholomew  
Name of Person Signing

  
Signature

May 8, 2000  
Date

Total number of pages including cover sheet, attachments, and document: 4

ASSIGNMENT

WHEREAS, Yang Gao and Huan-Yu Su, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SIGNAL PROCESSING SYSTEM FOR FILTERING SPECTRAL CONTENT OF A SIGNAL FOR SPEECH ENCODING, filed February 12, 2001, assigned Application Serial Number 09/781,735, and executed by the Assignors;

WHEREAS, Conexant Systems, Inc., a corporation organized and existing under the laws of Delaware, having a place of business at Newport Beach, California, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications

COPY

that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

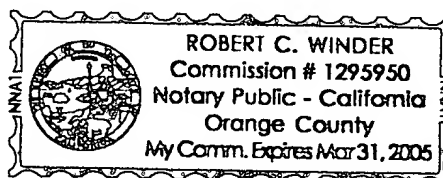
IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:

April 18, 2001

Yang Gao  
Yang Gao

STATE OF California )  
COUNTY OF Orange ) ss.



I, Robert C. Winder, a Notary Public in and for the County and State aforesaid, do hereby certify that Yang Gao, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that ~~(s)~~he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

18<sup>th</sup> IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of April, 2001.

(SEAL)

Robert C. Winder  
Notary Public

My Commission Expires: 3/31/05

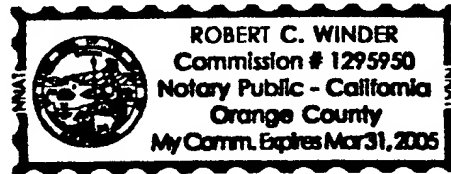
COPY

DATED:

April 24, 2001

H. Y. Su  
Huan-Yu Su

STATE OF California )  
COUNTY OF Orange ) ss.



I, Robert C. Winder, a Notary Public in and for the County and State aforesaid, do hereby certify that Huan-Yu Su, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that ~~(s)~~he signed, sealed and delivered the said instrument as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 24 day of April, 2001.

Robert C. Winder  
Notary Public

(SEAL)

My Commission Expires: 3/31/05



COPY

Case No. 10508.16

10932.159

00CXT0667N

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled, SIGNAL PROCESSING SYSTEM FOR FILTERING SPECTRAL CONTENT OF A SIGNAL FOR SPEECH ENCODING, the specification of which:

- ☐ is attached hereto.  
☒ was filed on February 12, 2001 as Application Serial No. 09/781,735  
☐ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

<u>N/A</u>				<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)		Yes	No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<u>60/233,044</u>	<u>September 15, 2000</u>
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status-patented, pending, abandoned)</u>
---------------------------------	----------------------	--

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature

Full name of sole or first inventor

Residence

Citizenship

Post Office Address

Yang Gao

Date:

April 18, 2001

Yang Gao

Mission Viejo, California

China

26586 San Torini Road, Mission Viejo, California 92692-6101

BRINKS HOFER GILSON & LIONE

P.O. Box 10395  
Chicago, IL 60610  
(312) 321-4200

COPY

Inventor's Signature  
Full name of sole or first inventor  
Residence  
Citizenship  
Post Office Address

苏. 环. 宇. 2001 Date: April 20, 2001  
Huan-Yu Su  
San Clemente, California  
USA  
3009 Calle Frontera, San Clemente, California 92673-3029